# ABSTRACT

The present invention relates to a process for the remote authentication of a user (7) for local access to a local machine (4) belonging to a network (5) that includes a server (3) managed by an administrator (8) consisting of:

- creating, by means of the machine (4) a challenge (D);
- communicating to the administrator (8) the challenge (D) created as well as elements known by the user via communication means (9) independent from the network (5);
- performing a predetermined calculation by means of the server (3) in order to obtain a response (RD) to the challenge (D);
- transmitting to the user (7) the response (RD) obtained through the communication means (9);
- performing a calculation by means of the local machine (4) in the same way as the server (3) in order to obtain a response (RD1) to the challenge (D);
- comparing the responses (RD) and (RD1) and authorizing the local connection based on the result.

Figure of the abstract: Fig. 1